

PATHOS

# MUSITECA

MUSIC SERVER



## OPERATING INSTRUCTIONS

Before operating the unit, please read this manual thoroughly, and retain it for future reference.

**Important notice:** This English manual is the official release of the operating instructions for the Pathos Musiteca.

Versions in other languages may be provided by local Pathos authorized distributors, and must comply with this version in all parts.

## Congratulations

Congratulations on your purchase of the Pathos MUSITECA

Musiteca is Pathos' ultimate source of music that puts together massive storage, uncompromised audio quality and user-friendly operation.

Its hard disk is capable of storing up to 25,000 tracks, approximately 2,500 CDs, with uncompressed quality. Digital music can be captured and stored either by ripping CDs via the built-in transport, or by copying files from any digital storage device—computer hard drive, USB drive, digital music player... Metafiles such as cover arts and detailed information are automatically acquired from the web and associated to the respective tracks.

Playing Musiteca is a multi-sensorial pleasure: its wide touch screen, combined with Pathos' proprietary intuitive interface, allow easy operation even by users with no familiarity with computers at all.

Musiteca's built-in 192KHz 24bit D/A converter makes analog signal available through a pair of XLR balanced outputs and a pair of RCA unbalanced connectors. The signal processing includes a FET high precision amplification stage and a buffer stage with ECC88 6922 tubes.

Musiteca can be remotely operated via any smartphone or tablet by means of specific free apps.

### Don't skip the BS\*, please

Sure, you know how to connect and operate an amplifier.

You are clearly an audio expert or you won't have this manual in your hands!

Nevertheless, there are precautions and safety instructions that you should be aware of.

Before connecting, operating or adjusting this product, please read the instruction booklet carefully and completely.

Retain it for future reference.

\* Boring Stuff

Serial number is indicated on the box and on the rear panel. Record the serial number in the space provided below. Refer it whenever you call upon your Pathos dealer regarding this product.

SERIAL No. \_\_\_\_\_

## Important Safety Instructions

Any changes or modifications not expressly approved in this manual void the warranty and your authority to operate this equipment. Always disconnect the unit from the AC outlet before connecting or disconnecting any cables, or when cleaning any component. This unit contains voltages that can cause serious injury or death. Never operate unit with its cover removed. No user-serviceable parts are inside. Service should only be performed by authorized Pathos personnel.

Users are not allowed to perform any service to this appliance.

Do not modify safety device and do not remove ground of power plug.

Make sure that power cord is protected from being bent, or stepped, especially close to the wall plug and on the rear panel inlet.

AC extension cords are not recommended for use with this product.

Do not place the unit in a confined space, such as a bookcase or built-in cabinet. Do not place the unit on a rug or other soft surface. Always make sure the ventilation of the apparatus is not covered at any time.

Do not expose the unit to rain, moisture, extremely high or low temperatures.

Also avoid locations subject to vibration and excessive dust.

Avoid placing it in direct sunlight or close to a source of heat.

Do not place bottles, vases, or other objects containing liquids, open flame sources such as lighted candles on the unit.

Should any solid object or liquid fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.

Always keep any electrical equipment out of the reach of children.

Always unplug this unit during lightning storms or when unused for long periods of time.

Never bypass the fuses. In case of fuse replacement, please refer to your Pathos authorized dealer or to your nearest service centre. Authorized personnel should follow these instructions:

1. Before replacing fuses, disconnect the AC power cord.

2. For continued protection against hazard, replace fuses only with the same type and rating.

The unit retains AC power as long as is connected to the wall outlet, even when the unit is turned off.



This symbol is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user of the presence of important operating and maintenance (servicing) instructions, in the literature accompanying the appliance.



Do not throw away the battery with general house waste, dispose of it correctly as chemical waste.



Marking by “CE” symbol indicates compliance of this device with the EMC (Electromagnetic Compatibility) and LVD (Low Voltage Directive) standards of the European Community.

## Limited Warranty

The reference for the guarantee is always national distributor where the machine was sold for the first time.

Pathos warrants this product to be free from defects in materials and workmanship (subject to the terms set forth below). Pathos will repair or replace (at Pathos’s option) this product or any defective parts in this product. Warranty periods may vary from country to country. If in doubt consult your dealer and ensure that you retain proof of purchase. To obtain warranty service, please contact the Pathos authorized dealer from which you purchased this product. If your dealer is not equipped to perform the repair of your Pathos product, it can be returned by your dealer to Pathos or an authorized Pathos service agent. You will need to ship this product in either its original packaging or packaging affording an equal degree of protection.

This warranty is void if:

- the factory-applied serial number has been altered or removed from this product; or
- this product was not purchased from a Pathos authorized dealer.

You may call Pathos or your local Pathos distributor to confirm that you have an unaltered serial number and/or you made a purchase from Pathos authorized dealer.

This warranty does not cover cosmetics damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of, or to any part of, product.

This warranty does not cover damage due to improper operation, maintenance or installation, or attempted repair by anyone other than Pathos or Pathos dealer, or authorized service agent which is authorized to do Pathos work.

Any unauthorized repairs will void this warranty.

This warranty does not cover products sold AS IS or WITH ALL FAULTS.

REPAIR OR REPLACEMENTS AS PROVIDED UNDER THIS WARRANTY ARE THE EXCLUSIVE REMEDY OF THE CONSUMER. PATHOS SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY IN THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY LAW, THIS WARRANTY EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHATSOEVER INCLUDING, BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Some countries and US states do not allow the exclusion or limitation of incidental or consequential damages or implied warranties so the above exclusions may have other statutory rights, which vary from state to state or country to country. For any service, in or out of warranty, please contact your dealer.

## About your unit

### Content

Package includes following articles:

Musiteca, power cord, user manual.

In case any of the above items is not included, please contact shop or authorized Pathos dealer.

### Packaging

When unpacking your Musiteca, always handle it with care. Store all packaging materials in a dry place for future shipments. In case of transport or shipment, the original packaging will properly prevent transit damages.

### Placement

Choose the installation location carefully.

Musiteca should generally be placed close to your amplifier, thus keeping interconnecting cables short.

Do not place in a sealed area such as a bookcase or in a cabinet.

Do not place the unit on an unstable surface or shelf. The unit may fall, causing serious injury to a child or adults as well as serious damage to the product.

### Heat buildup

Do not place anything on top of the cabinet that might block the ventilation holes and cause malfunctions. Your Musiteca heats up during operation, this is not a malfunction. A suggested distance of at least 10cm on each side and 10cm from the top will ensure a sufficient air flow to cool down the unit.

### Vacuum Tubes

Your Musiteca is provided with a pair of ECC88 / 6922 tubes. In case you need to replace vacuum tubes, always use same type.

In quality of manufacturer, Pathos choose the brands according to their sound quality performance and availability.

In the market you may find many others brands that can replace pretty well the supplied tubes; NOS, for military use, with gold pins and so on may improve sonic quality of the amplifier as long as they are equivalent to the ECC88.

**NOTE:** is not recommended to leave your Musiteca switched on 24 hours a day. This habit for some audiophiles does not induce benefits in Musiteca's musical performances and will shorten tubes' life.

### Warm-up

For superior sonic performances, a warm-up period of approximately twenty minutes is recommended before the Musiteca is used.

### Cleaning

Before cleaning, be sure to turn off and unplug the unit.

Clean the cabinet, panel, and controls with a soft cloth slightly moistened with clean water. Do not use any type of detergent, abrasive pad, scouring powder, thinner, or solvent such as alcohol or benzine.

### Service

In the unlikely event your Musiteca should require service, always refer to your Authorized Pathos Dealer or to the Authorized Pathos Distributor of your country.

### Before you get started

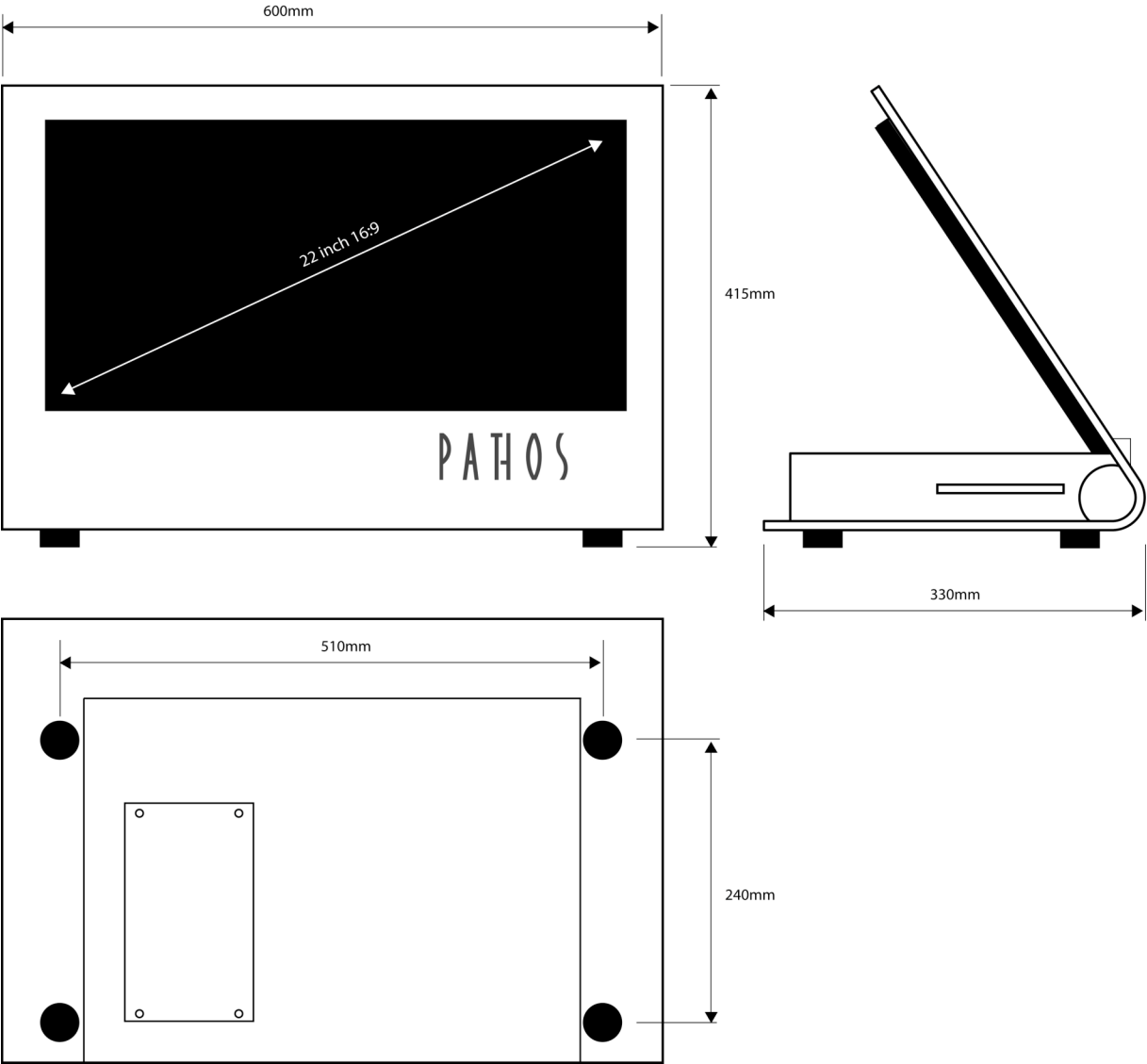
Turn off the power to all components before making any connections.

Do not connect the AC power cord until all of the connections are completed.

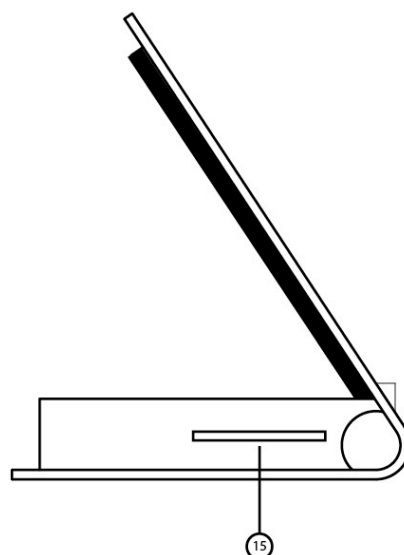
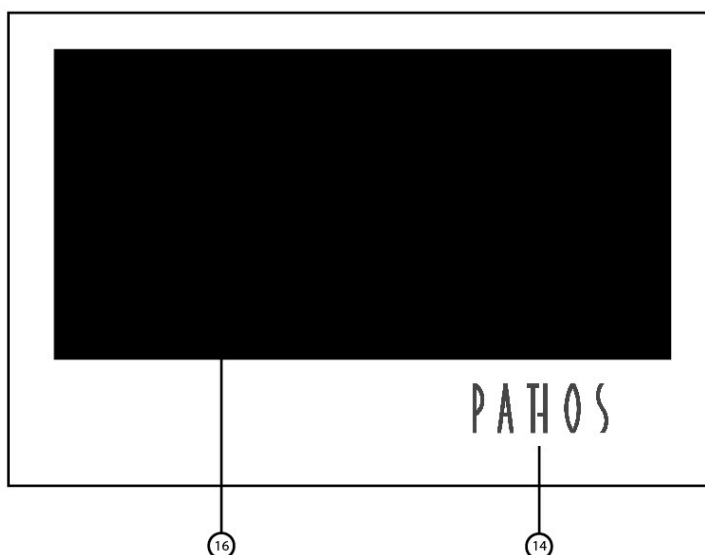
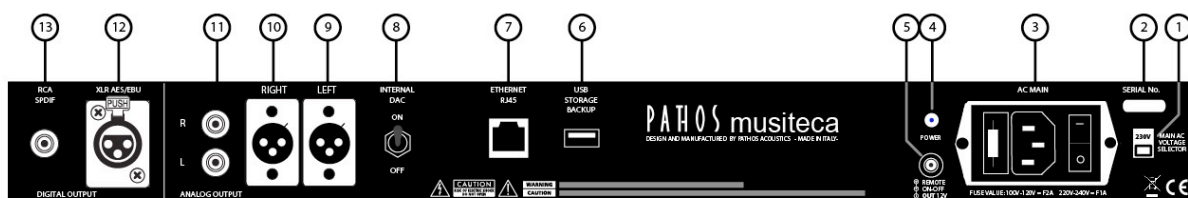
Be sure to make firm connections.



Dimensions



## Connections & Controls



### CAUTION:

When connecting your Musiteca to other components, make sure all units are off.

**NOTE:** Pathos Acoustics recommends to use only high quality interconnecting cables. Not using appropriate cables prevents your amplifier, your sources, and your loudspeakers from delivering their full potential. The wiring to and from the amplifier should be arranged in a neat way. It is advisable to separate AC cords from signal and speakers cables, to avoid hums and noise from being introduced into your system.

#### 1) Select operating voltage:

Before to use Musiteca check the voltage selector. (230V or 115V).

if you change it, you need to change also the fuse with this values:

90V – 125V 50/60Hz the right value is F2A

210V – 240V 50/60Hz the right value is F1A

#### 2) Serial number and operating voltage:

Serial number is indicated on the box and on the rear panel. Refer it whenever you call upon your Pathos dealer regarding this product.

#### 3) AC Main Inlet, Main switch, Main fuse:

This IEC-standard AC mains receptacle is used with the removable AC power cord to supply the Musiteca with power. Connect the power cord to this receptacle and the AC mains outlet in the wall.

Main switch turns the machine on.

The unit remains powered as long as it is connected to the wall outlet, even if the unit itself is turned off.

If you are not going to use your unit for a long time, be sure to disconnect it from the wall outlet.

To disconnect the AC power cord, grasp the plug itself; never pull the cord.

Never bypass any fuse. In case of fuse replacement, please refer to your Pathos authorized dealer or to your nearest service centre.

4) Led to signal Musiteca is switch on:  
this led indicates that Musiteca is turn on or switching on.

**5) Remote ON/OFF**

Musiteca is provided with one connector for switching on/off via remote.  
Remote ON/OFF OUT: when unit is on, 12VDC are on the connector to turn on other machines provided with compatible remote.



**6) USB “A”:**

USB connector for external HARD DISK to backup and restore.

**7) ETHERNET RJ45:**

Internet connection.

This connection is needed to download CD information for ripping.

**8) Interruttore DAC interno:**

Through this switch is possible to turn off internal DAC to use one external.

NOTE: if you switch on when Musiteca is already active, this take about 30 second for tubes warm up. After this period you can hear a click who signal that analog outputs are active.

Digital output is always active.

**9-10) Uscita bilanciata:**

Connect a pair of audio XLR-type connecting cords (not supplied) from the outputs of your Musiteca to corresponding inputs of your pre-amplifier, integrated amplifier or receiver. As to get correct stereo imaging, double-check Right output is connected to Right input and Left output is connected to Left input.

Whenever available in your amplifier, balanced connection is highly recommended not only in order to minimize noise, but

also to take advantage for the superior signal management of this technology.

Associated with the Musiteca, Pathos high end amplifiers are real balanced designs that allow you to build an entirely balanced system, from the source to the speakers.

**11) Uscita sbilanciata:**

Connect a pair of audio RCA-type connecting cords (not supplied) from the outputs of your Musiteca to corresponding inputs of your pre-amplifier, integrated amplifier or receiver.

As to get correct stereo imaging, make sure to match the colour code: Red (right) to Red and White (left) to White.

**12-13) uscita digitale**

Two digital outputs are provided to allow you to connect your Musiteca to an audio component equipped with digital inputs, such as a D/A converter. By providing this kind of connection, the Musiteca's built-in D/A converter is bypassed. Being the quality of the Musiteca internal D/A converter unparalleled, we do not recommend to operate this kind of connection.

Nevertheless, we provide this option so that in the future, would a better D/A conversion technology become available, you will be able to take advantage of it and your Musiteca will not become obsolete.

Digital connections are also suitable to connecting your Musiteca to digital recorders such as DAT, MD or others.

Connect a digital coaxial cable (not supplied) from the output of your Musiteca (13) to corresponding input of your component.

Connect a digital XLR cable (not supplied) from the output of your Musiteca (12) to corresponding input of your component.

**14) Button switch ON from stand by.**

The letters “Pathos” is the button to switch ON Musiteca from standby.

**15) Slot for CD**

Slot for playing CD or ripping

**16) Monitor**

21’’ monitor touch screen to control the unit

## MAIN SPECIFICATION

### Converter

D/A Conversion:	Differential 24bit 192KHz delta sigma DAC
Analog stage:	Fully balanced, class A, tubes , zero feedback
Conversion rate:	up to 192KHz
Dynamic range:	120dB
THD+N:	-110dB
Analog output:	one Balanced XLR, one Unbalanced RCA line
Max output level:	unbalanced RCA 3V RMS Balanced XLR 1,5V + 1,5V RMS

### Music server

Internal storage:	1Terabyte (about 600 album)
Touch screen:	21’’
Connectivity: and backup connection	USB type “A” for storage music Ethernet RJ45 for internet

### Generali

Main voltage:	90-250V 50/60Hz
Size (WxDxH):	600x330x425mm
Weight:	28Kg

## Get started

### Turn machine ON and OFF

Before operating your Musiteca, make sure the power cord and signal cables are properly connected.

#### - Turn machine ON:

Press the switch on the rear panel to turn the unit on.

the power LED (4) will be light for one second then it's switch off. This mean that Musiteca is in standby mode.  
To Switch on MUSITECA push lightly the Pathos's logo on the front.

The preheating tubes take about 30 second, after this time Musiteca shows the "home" menù and it will be working.

#### - Standby mode:

On Home menu, touch the switch off icon.

After some second the power led is off and also the monitor will be turn off.

Now Musiteca is on standby mode.

#### - Turn machine OFF:

We highly recommend to set the standby mode and then press the on/off switch on the rear panel of machine. Do not skip the standby procedure.

### Network configuration:

After right connect Musiteca to the local net through RJ45 cable, check your configuration. Home > setting > network.

The Musiteca's network configuration is DHCP mode (automatic mode).

To change the values, skip on "manual mode" and through numpad set IP, Net Mask, Gateway and DNS.

### Ripping and listen CD:

Insert an original audio CD into the apposite slot on Musiteca's left side.(15)

After few second on home menu the CD's icon will appear selectable, touch it to show the Ripping/play Cd page.

If Musiteca is right connect to internet automatically download the CD's data information.

now you can choose between "Listen CD" and "Ripping".

"Listen CD"



"Ripping"



#### - Ascolto:

Touch "Listen CD" icon to listen the CD.

The controller will appear below the cover, here is possible to control the track inside the disk.

when is playing a CD the play list ON-AIR is paused.



#### - Ripping:

Select track to ripping (by default all tracks are selected).

touching the track change the track status (select or deselect).

touching album cover change all tracks status (select or deselect).

After choose tracks by touching the ripping's icon ripping will start.

This function automatically disable the listen Cd function.

IMPORTANT. Ripping take about 15 minutes, when is finished Musiteca ejects the CD, to avoid damage on mechanics allow the correct eject of the CD.

### Listen music stored.:

To listen music previously stored inside Musiteca touch the icon “music library”.

It will appear two icon, “music list” and “playlist”



### - Music list

Touch "music list" icon to view all music stored on Musiteca.

Touch an album cover to view the album detail.

The white circle indicate "selected track".

Touch single track to invert select mode (select / deselect).

Touch the album cover to invert all tracks selection



Touch the play label on the lower part of the screen to see the widget Play, the music controller.



Widget Play

After the selection of all tracks, three mode of playng are available by three icon on the right side, respectively:

insert the selected music into playlist onair and listen immediately

insert the selected music into playlist onair after the current track

insert the selected music into playlist onair in the end of playlist



A rapid link to playlist onair is on widget play on top left.

To remove all track to playlist onair touch the stop icon on the widget play.

### - Play list.

Touch "music list" icon to view the playlist temporary ON-AIR.

By touching one of the track change the playing order.



Touch the setting label on the lower part of the screen to see the widget setting.

touch the keyboard icon on widget setting and insert the new name.



Widget Setting

# MUSITECA

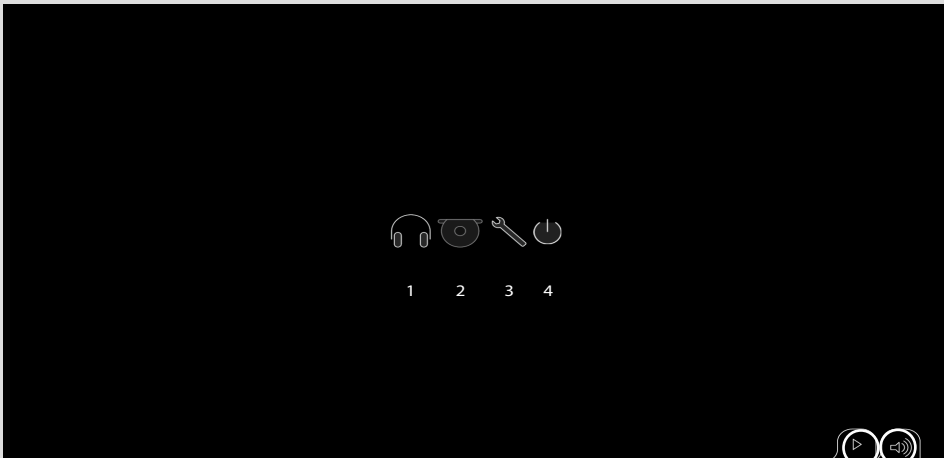
## USER INTERFACE

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MAIN MENU'



- 1. Music library
- 2. Read CD
- 3. Setting
- 4. Switch off Musiteca

fig.1  
main menü



move up and down control volum

move up and down control player

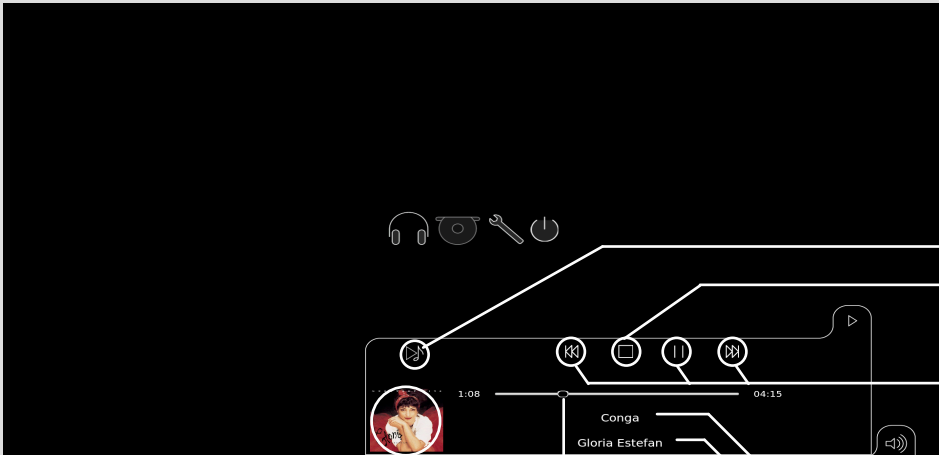


fig.2  
widget play

to play list on air

clear all playlist on air

music control

cover album on air

position track control

song on air

artist on air

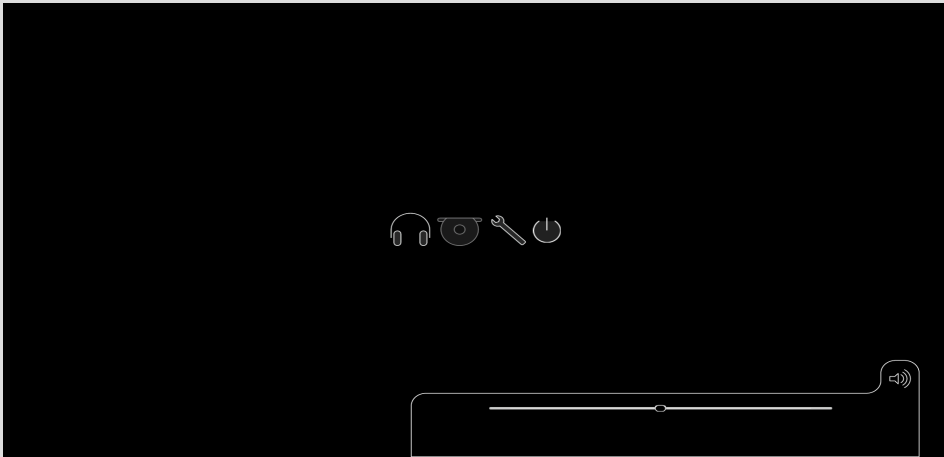


fig.3  
widget volum

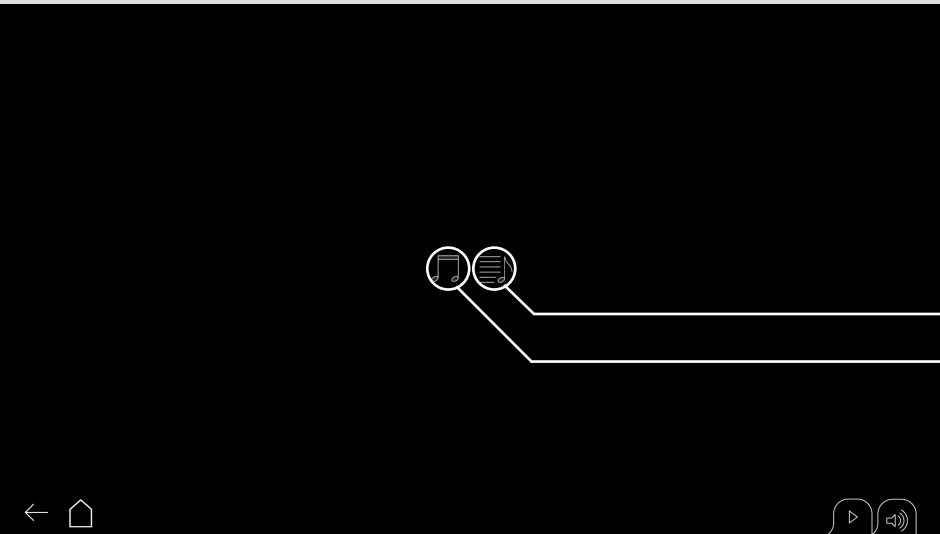


fig.4  
menù store

Play list / On Air

Music store / Album Cover

ALBUM COVER -> 1.1.1

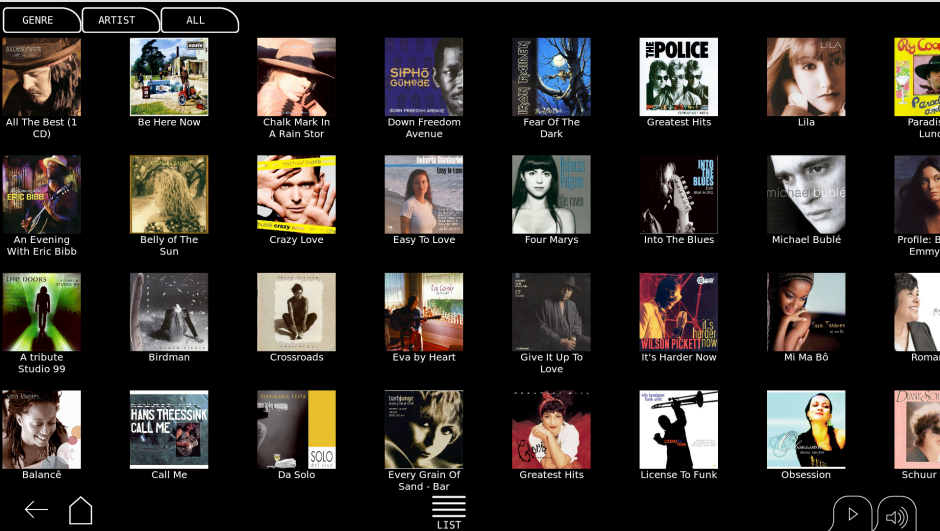


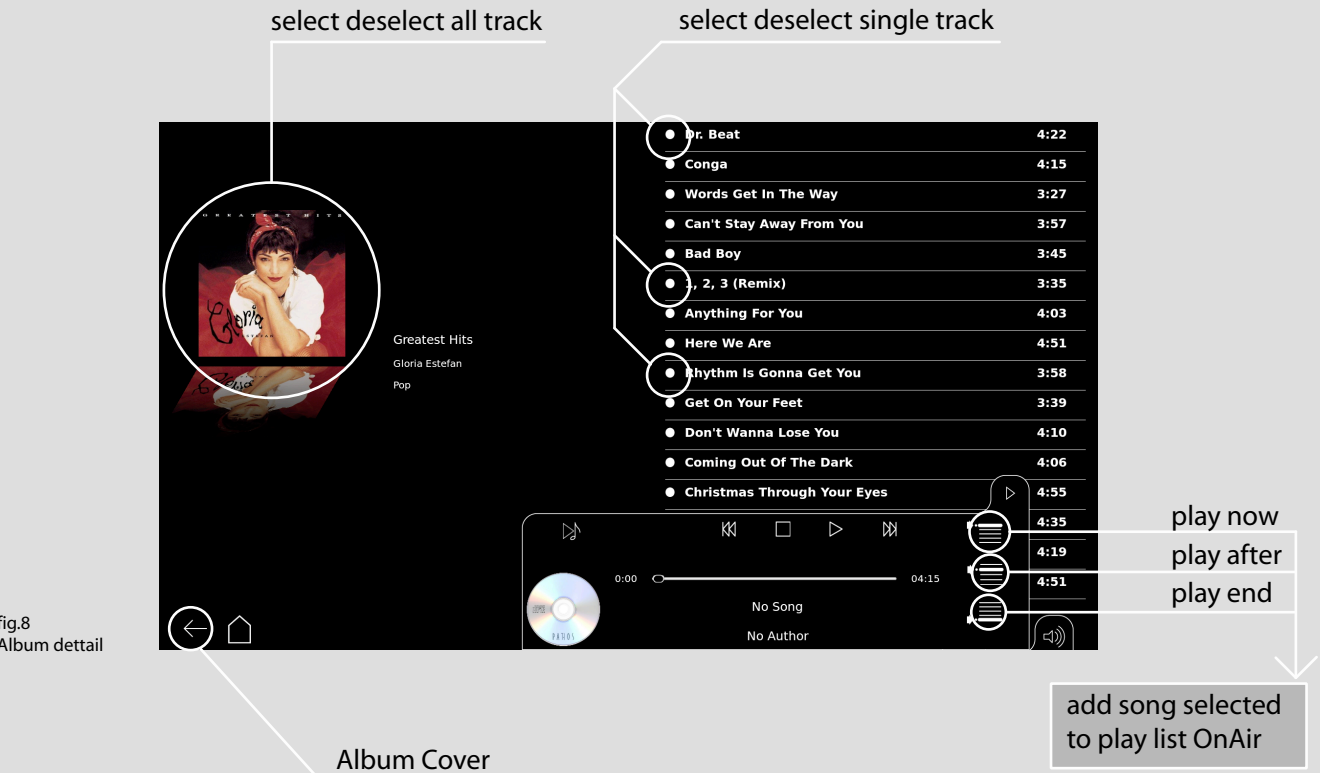
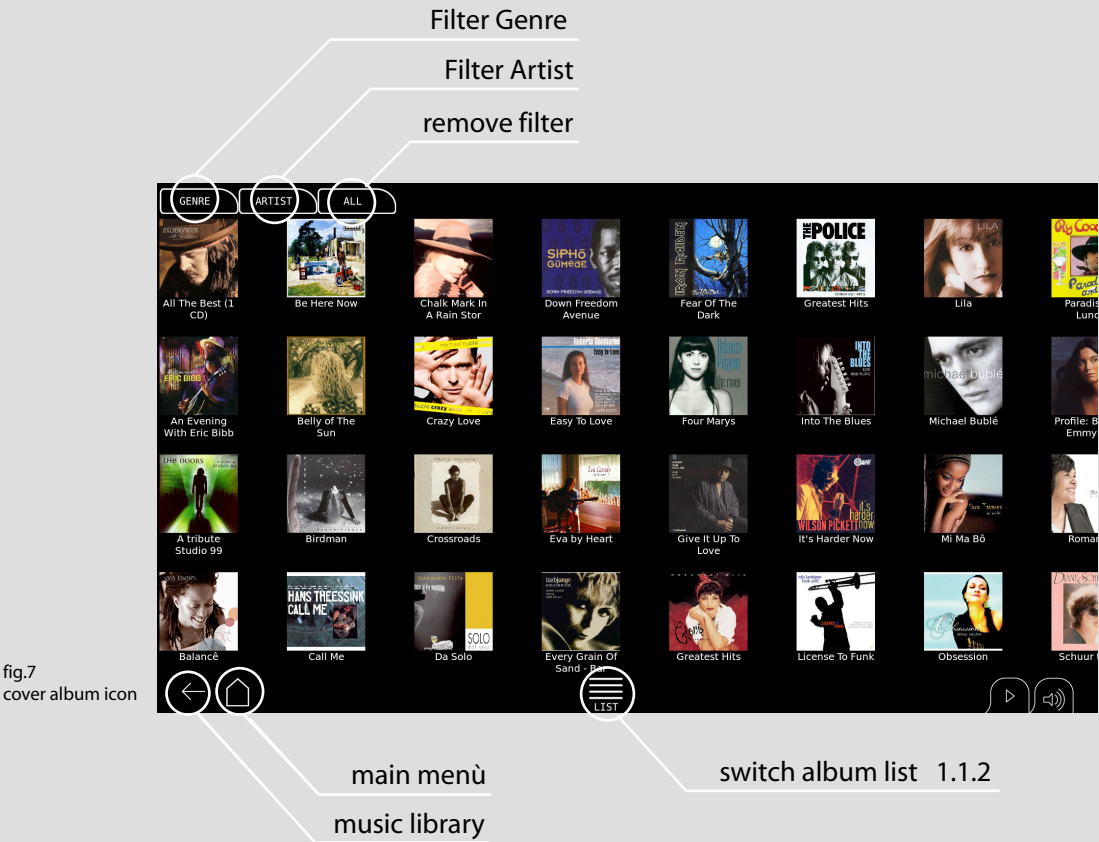
fig.5  
cover album

Play list OnAir -> 1.2.1



fig.6  
playlist detail

1.1.1 ALBUM COVER



## 1.1.2 ALBUM LIST

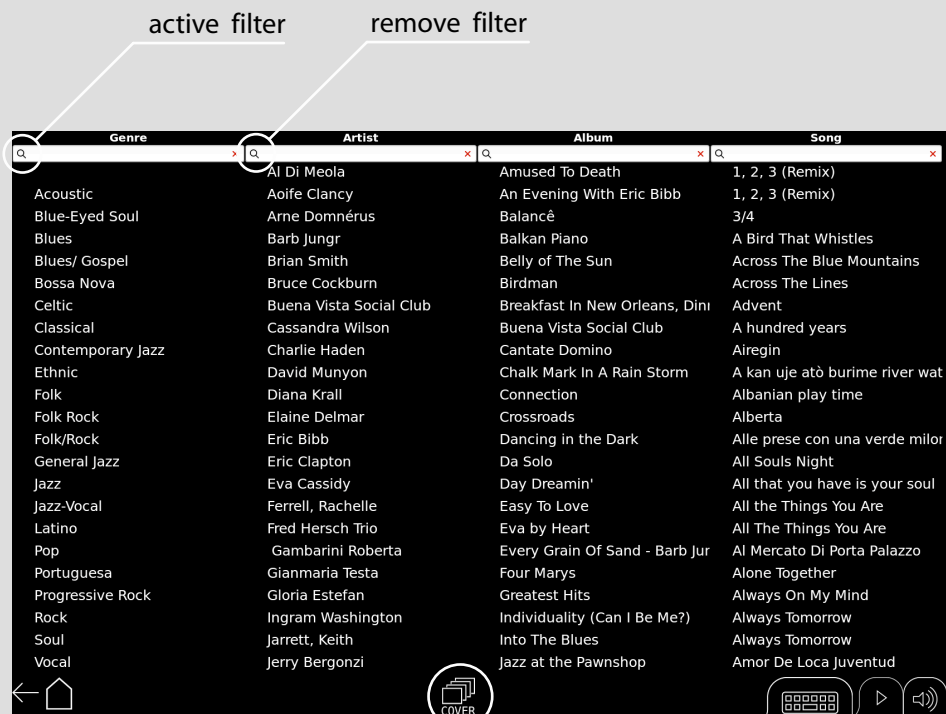


fig.9  
album list

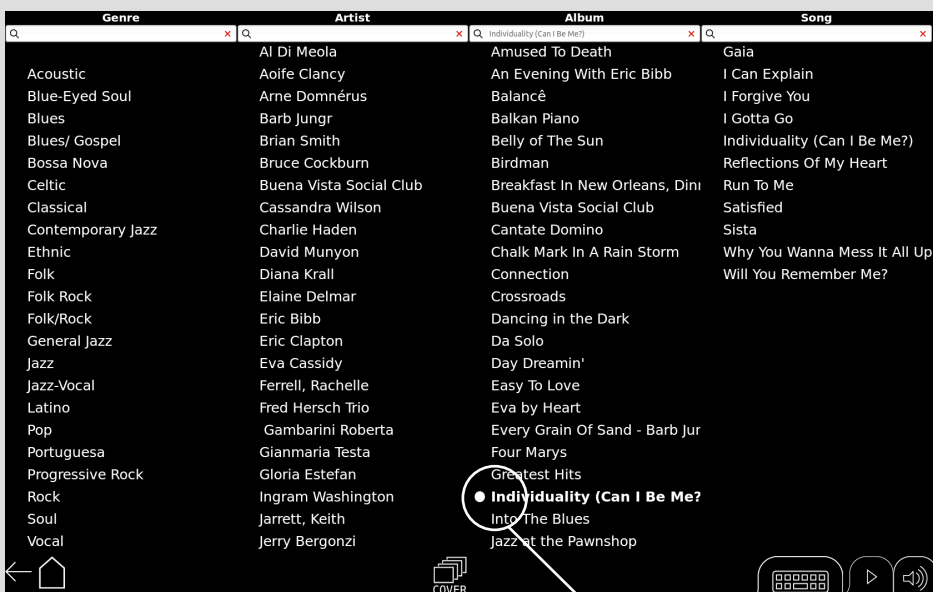


fig.10  
album list select

when we selected an item, automatically it filter the column on the right.  
If one filter is active, all track in Song's column can to be add to playlist OnAir.  
In other way, you can select one by one the song and add them.  
This action can to be repeat in any moment, so is possible to create the playlist's songs order

1.2.1 PLAYLIST DETTAIL

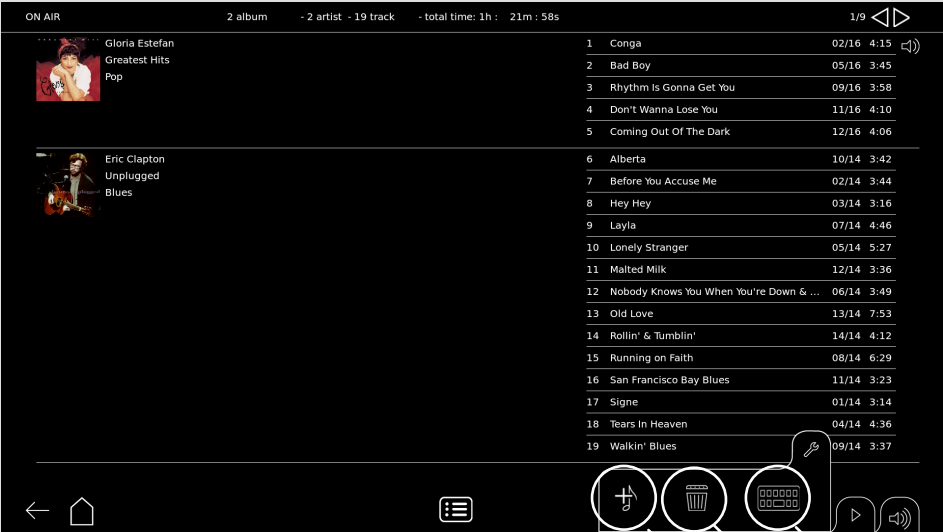
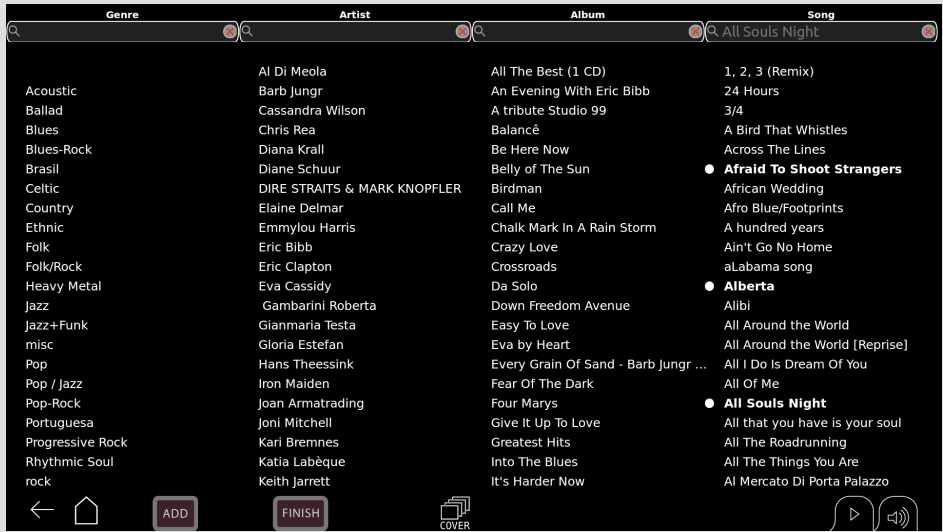


fig.11  
playlist widget edit

chage name playlist onait to save fig 13

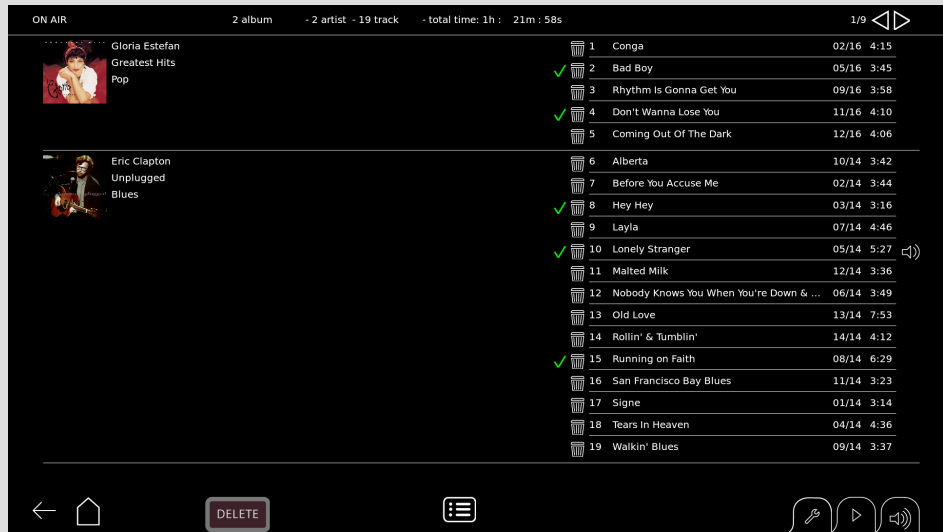
remove track from playlist fig 11

add track to playlist fig 10



chose your song and press  
*add* button. This action can  
to be repeat more time to  
define the track sort.  
To complete the function  
press *finisch* button

fig.12  
playlist add song



chose your song and press  
*delete* button. This action  
remove only the link to  
playlist not remove from  
store

fig.13  
playlist remove song

1.2.1 PLAYLIST DETTAIL

chage name playlist onait to save fig 13

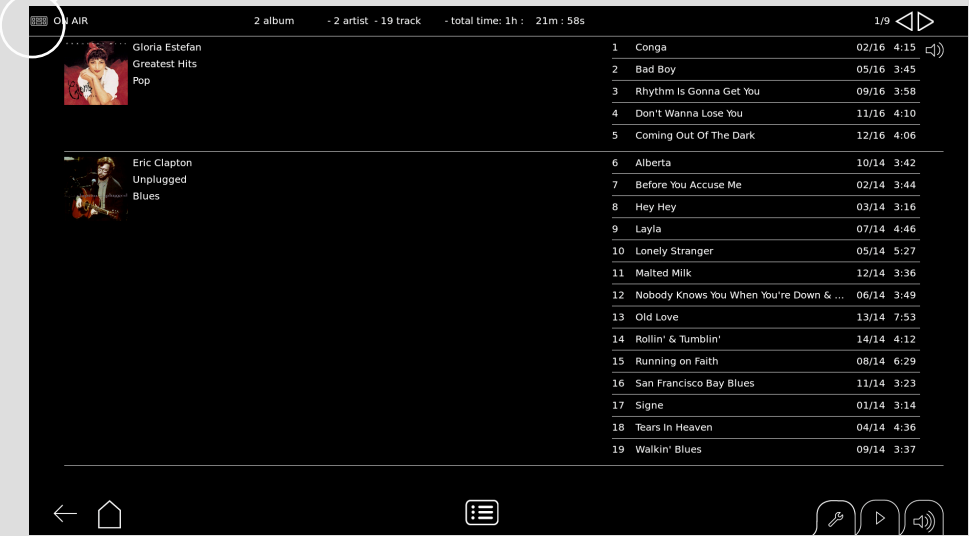
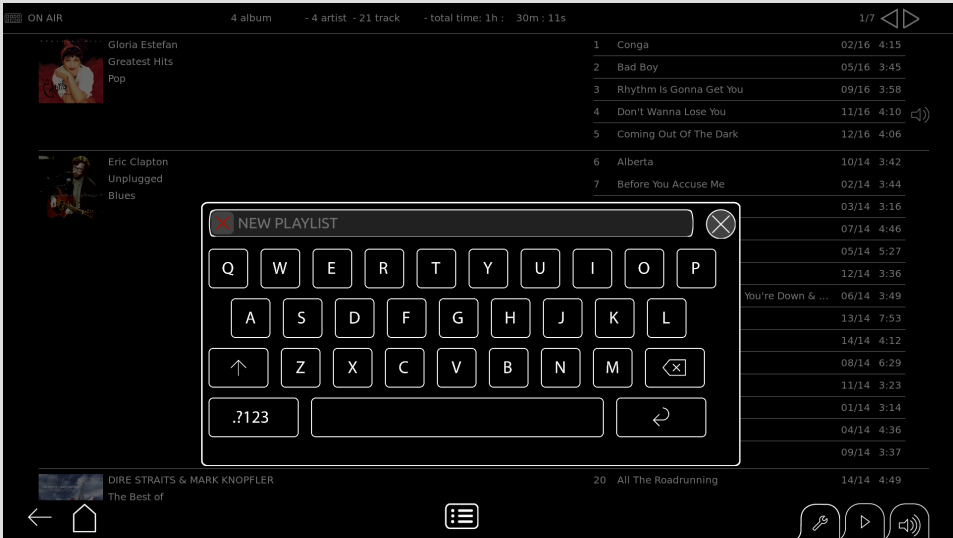


fig.14  
Playlist dettail  
current song



changing the name to  
playlist onair is equal to  
save it whit new name.  
fig. 14

fig.15  
Playlist rename

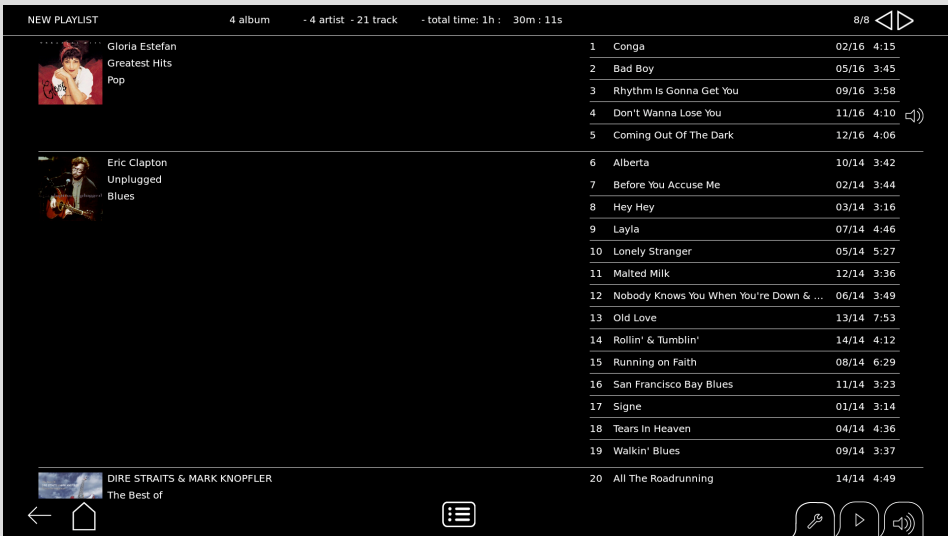


fig.16  
Playlist rename 2

1.2.1 PLAYLIST DETTAIL

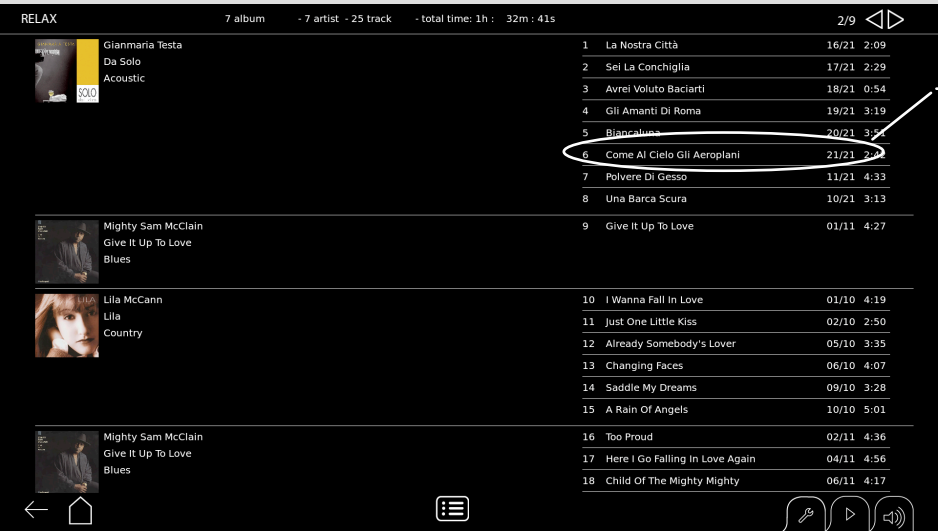


fig.17  
add laylist 1

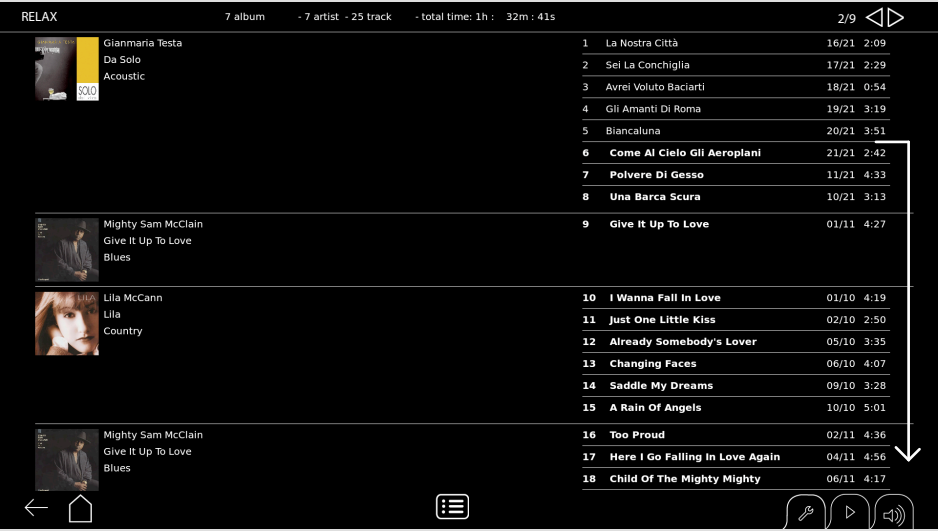


fig.18  
add laylist 2

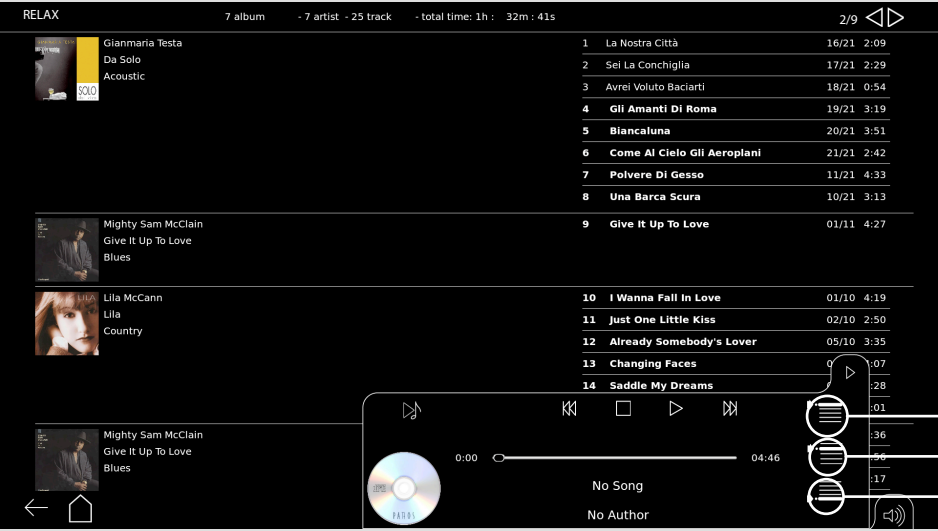


fig.19  
add playlist 3

1.2.2 PLAYLIST SUMMARY

select to open  
play list's dettail

fig.20  
playlist summary

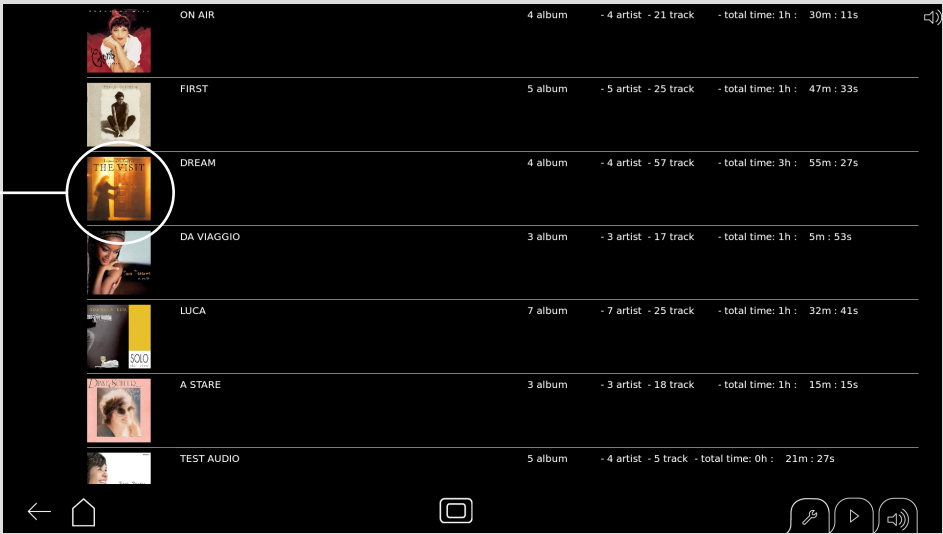
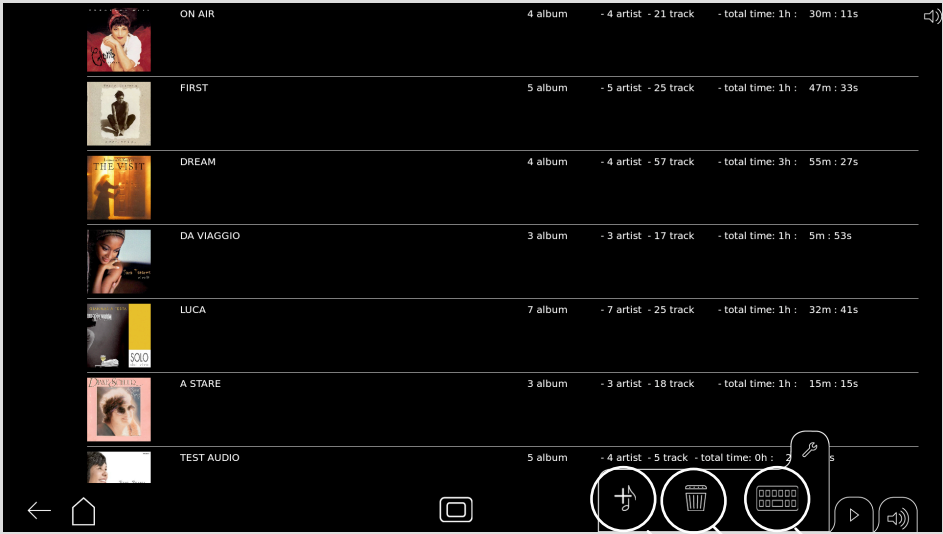


fig.21  
playlist summary  
widget edit

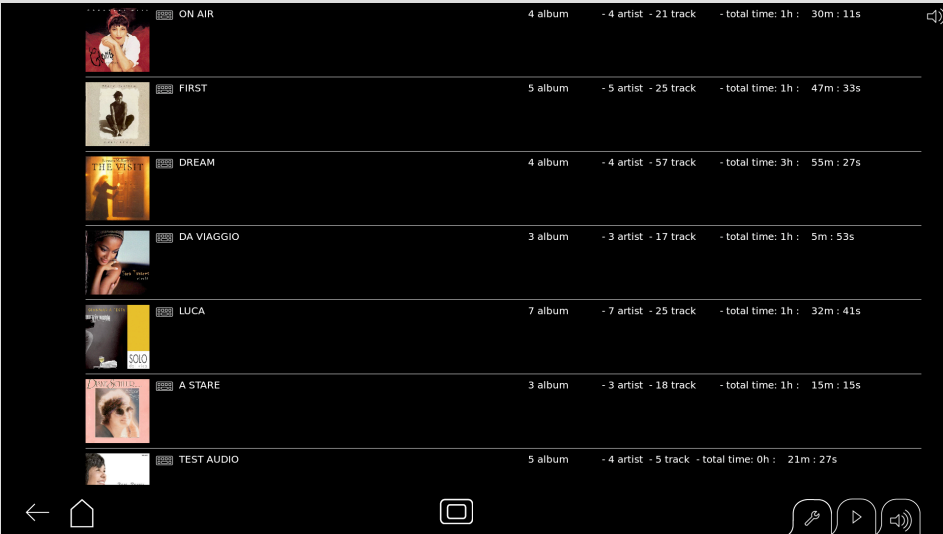


chage name playlist fig 20

remove playlist fig 21

add new playlist fig 22

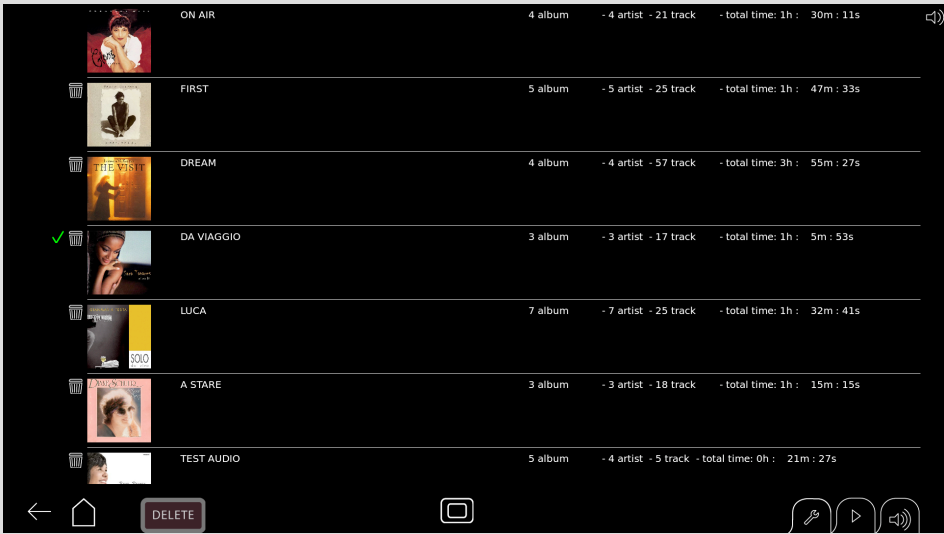
fig.22  
playlist summary  
change name





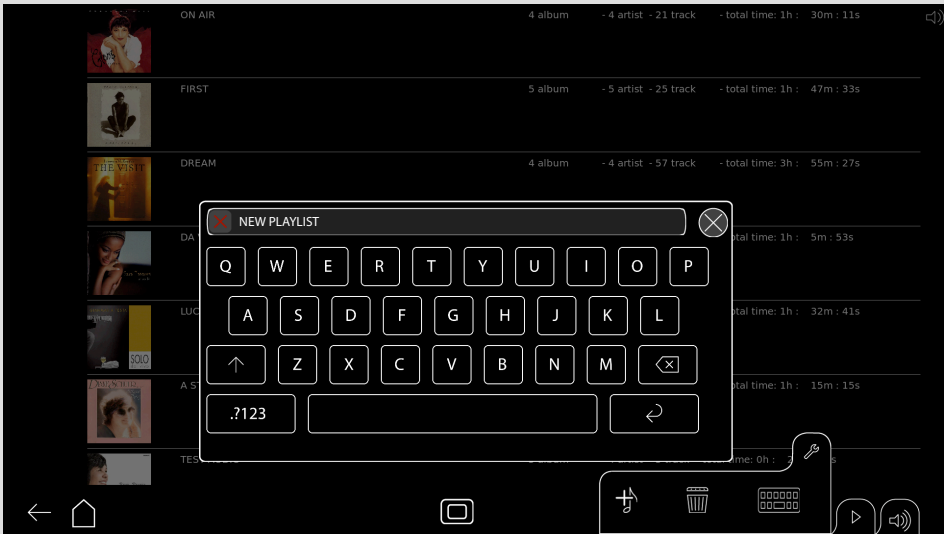
1.2.2 PLAYLIST SUMMARY

fig.23  
playlist summary  
delete



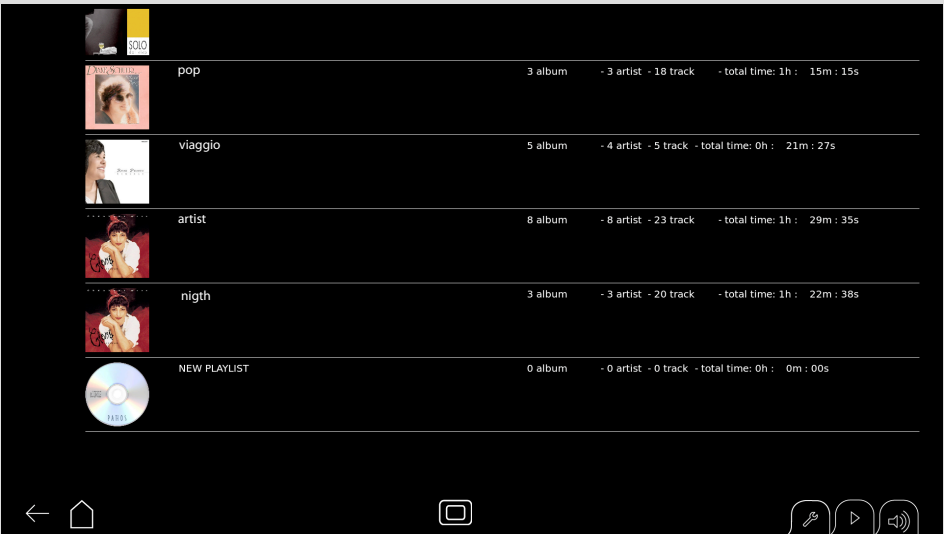
this action remove only the  
playlist, not remove the  
relative song to music store

fig.24  
new playlist 1



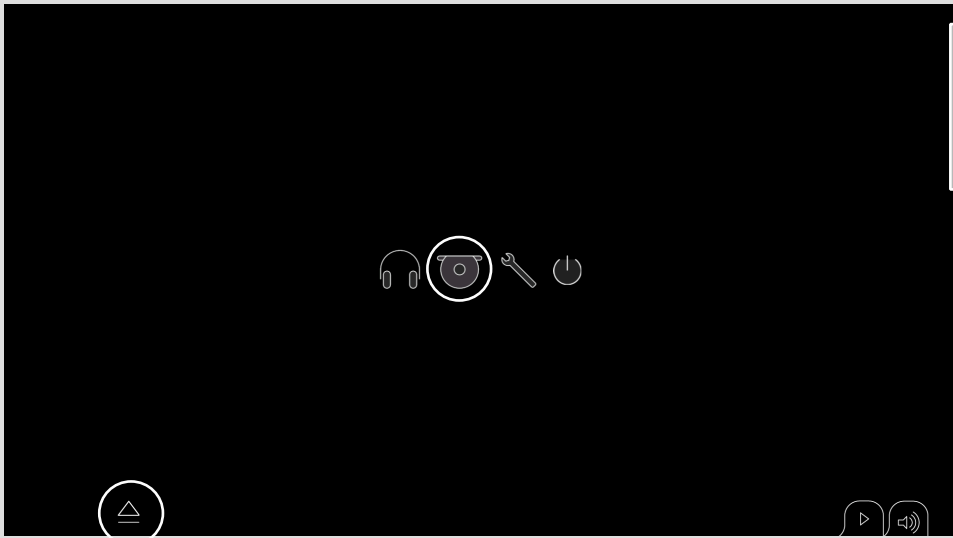
Enter in new play list and  
add track fig 10

fig.25  
new playlist 2



2. CD

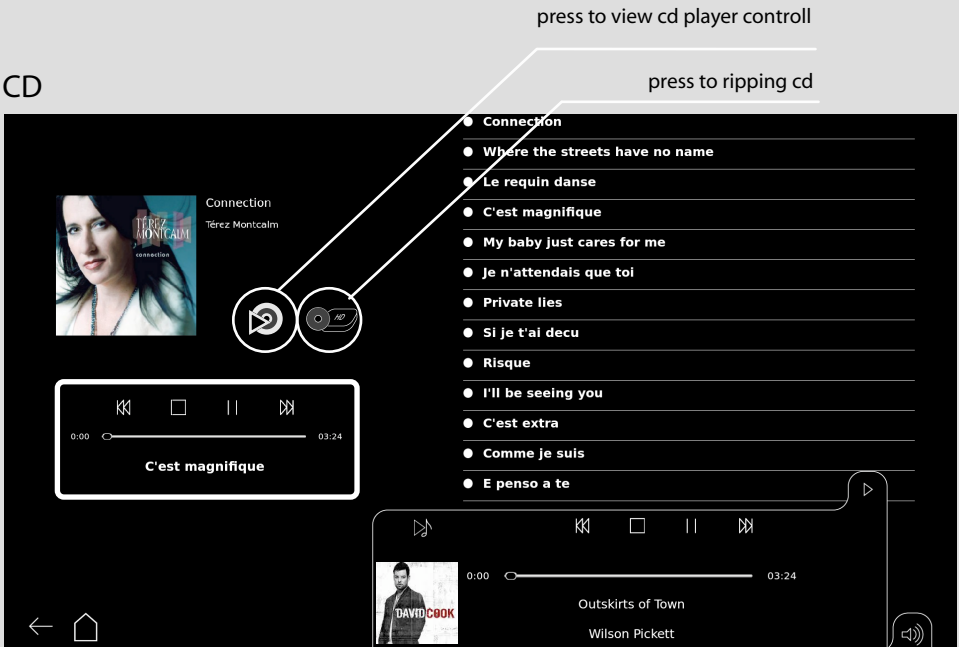
fig.26  
ripping



after insert cd into musiteca, appear *eject* button and *Read CD* button change visibility when the cd is ready.

2.1 LISTEN CD

fig.27  
play cd



press to view cd player controll

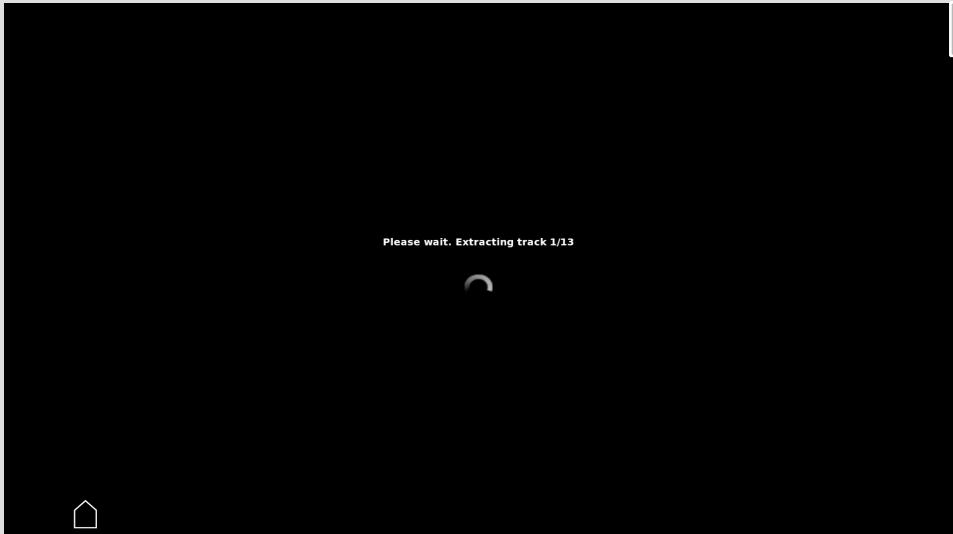
press to ripping cd

Is possible play CD or Ripping. Meta date will be automatic download from internet only if Musiteca is connection to internet.

If cd is in playing, the onair change status to "Pause"

2.2 RIPPING CD

fig.28  
ripping



Ripping Satus

3.2 ABOUT

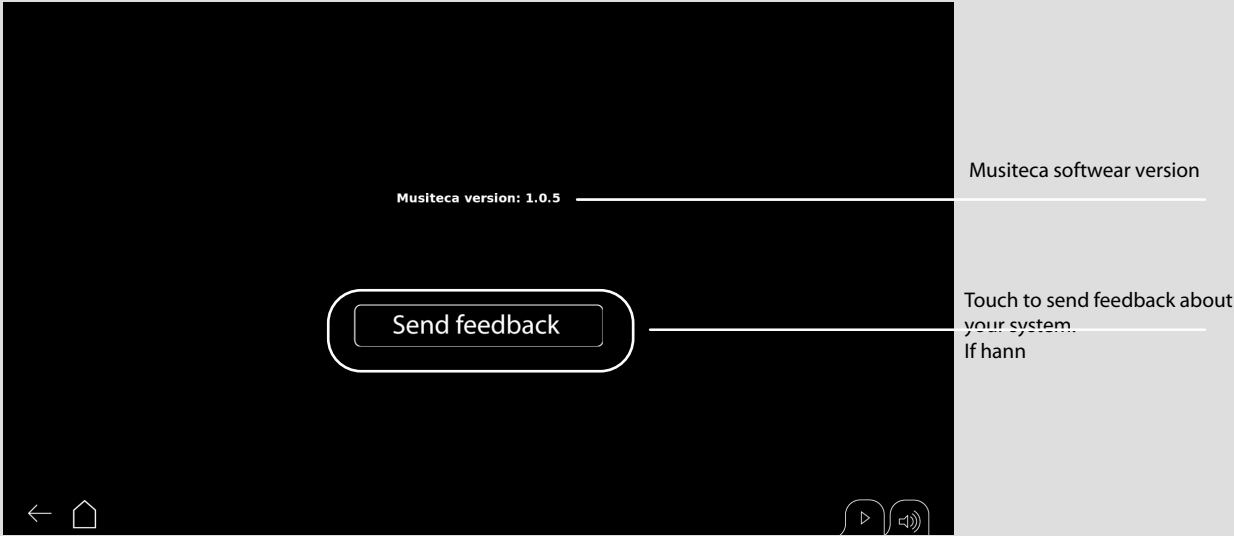


fig.31  
About



fig.32  
Send feedback

3. PREFERENCE MUSITECA

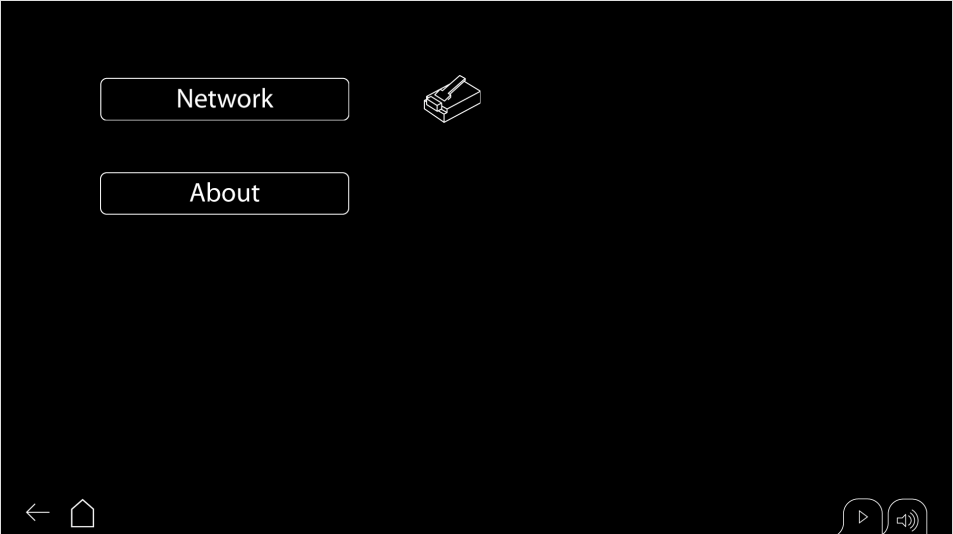


fig.29  
preference

3.1 NETWORK

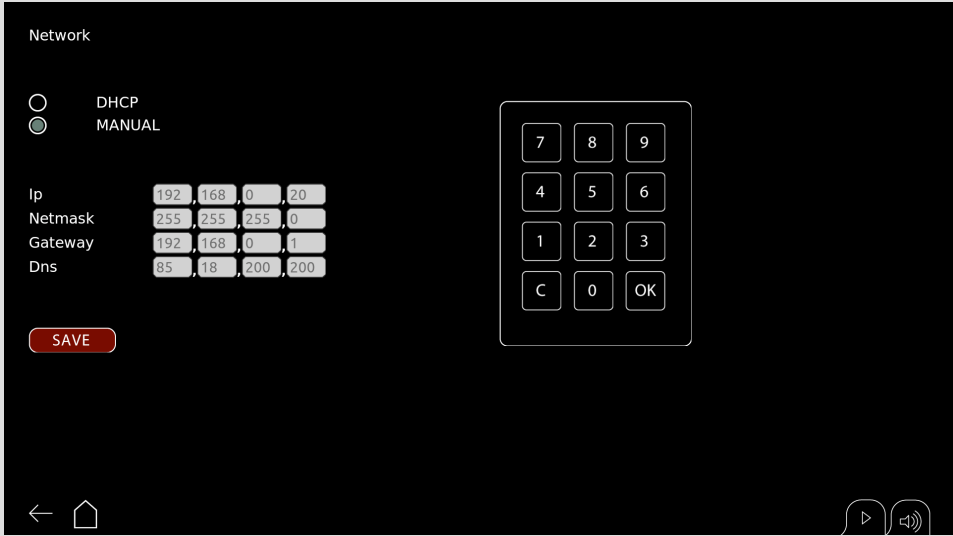


fig.30  
networking

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